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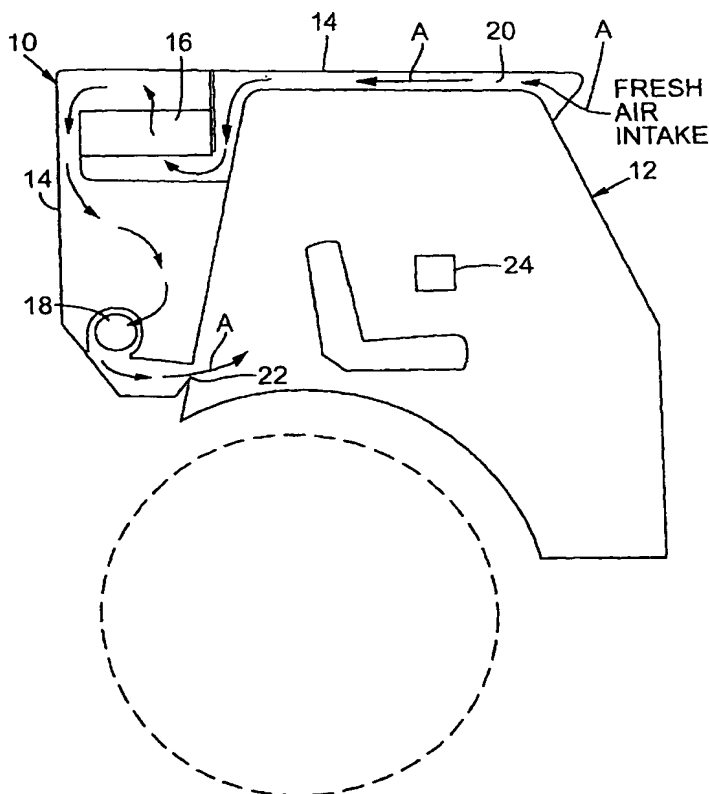
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR LEAK TESTING AN ENVIRONMENTAL ENCLOSURE



(57) Abstract: Methods and apparatus are disclosed for leak testing the ventilation system (10) of an environmental enclosure using a gas that is naturally present in ambient air, such as nitrogen, oxygen, argon, or carbon dioxide, as a tracer gas. In one embodiment, a gas filter (16) capable of filtering all of the tracer gas from the air flowing through the filter (16) is installed in the ventilation system (10). Testing is performed by operating the ventilation system (10) to cause outside air to flow through the filter (16) and into the enclosure (12) so as to establish positive pressurization inside the enclosure (12). A gas monitor (24) placed inside the enclosure (12) is used to detect for the presence of leaks in the ventilation system (10) by monitoring the concentration of the tracer gas inside the enclosure (12).



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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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☒ Patent family members are listed in annex.

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